

100

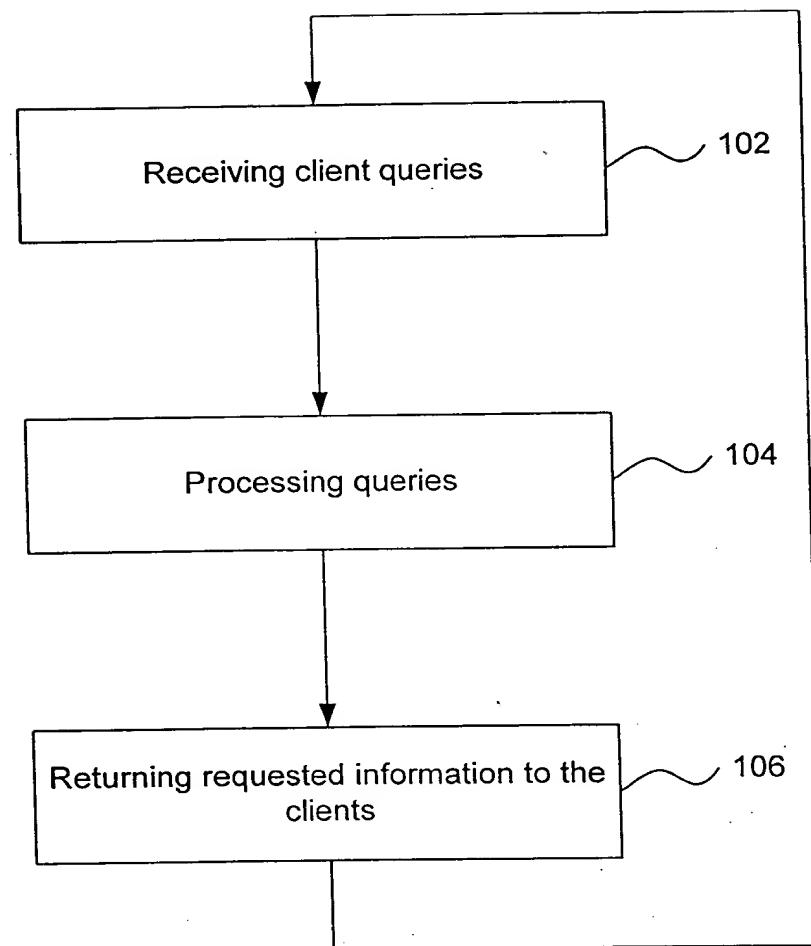


FIG. 1

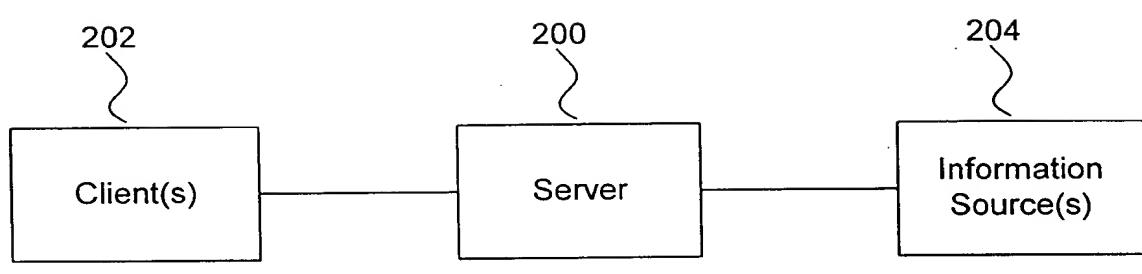
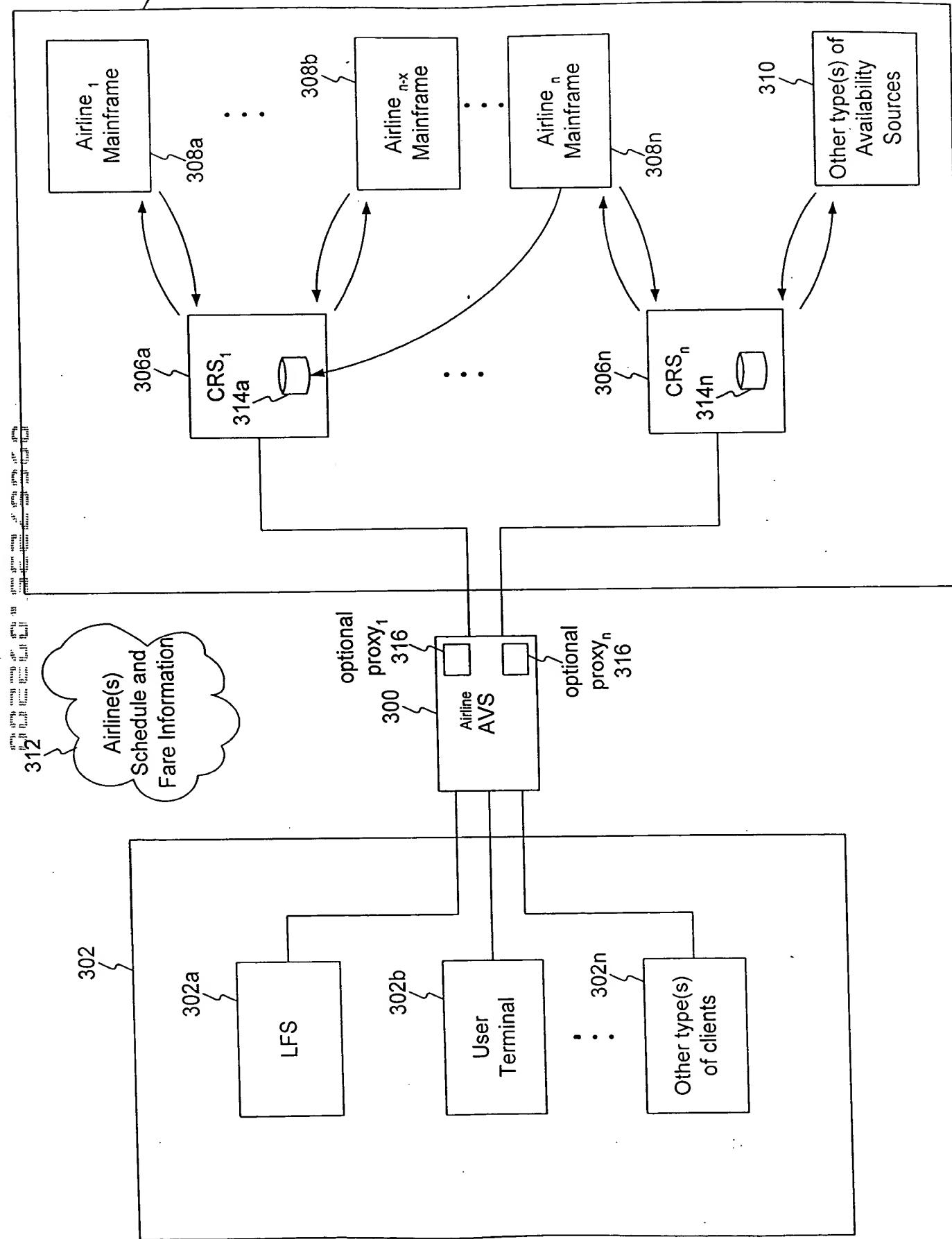


FIG. 2

FIG. 3



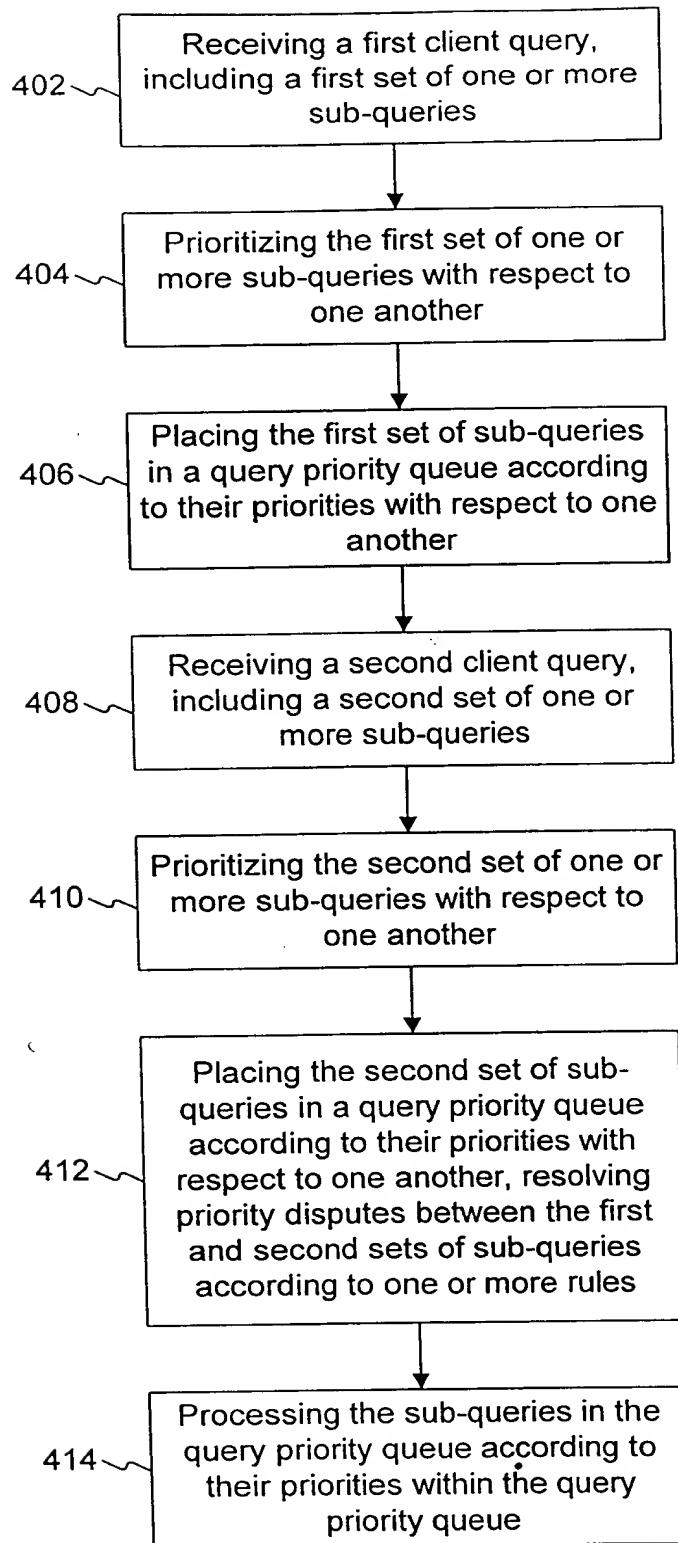


FIG. 4A

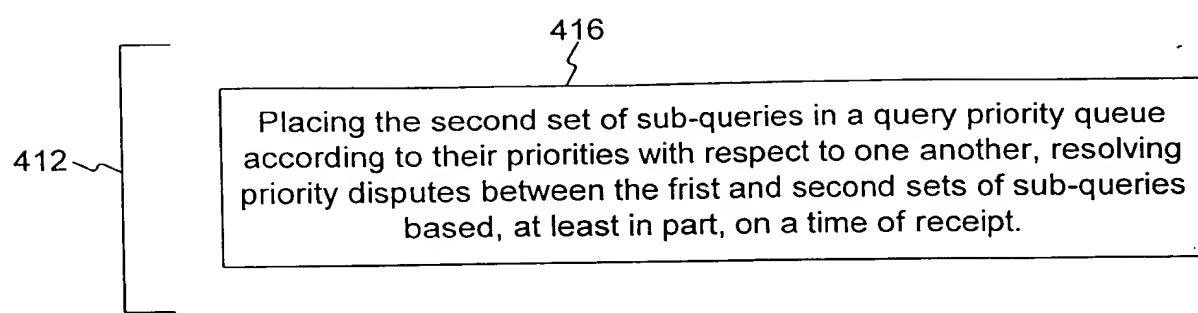


FIG. 4B

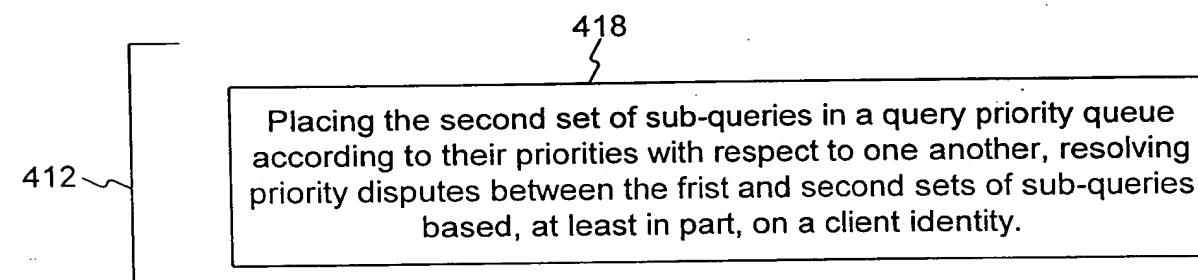


FIG. 4C

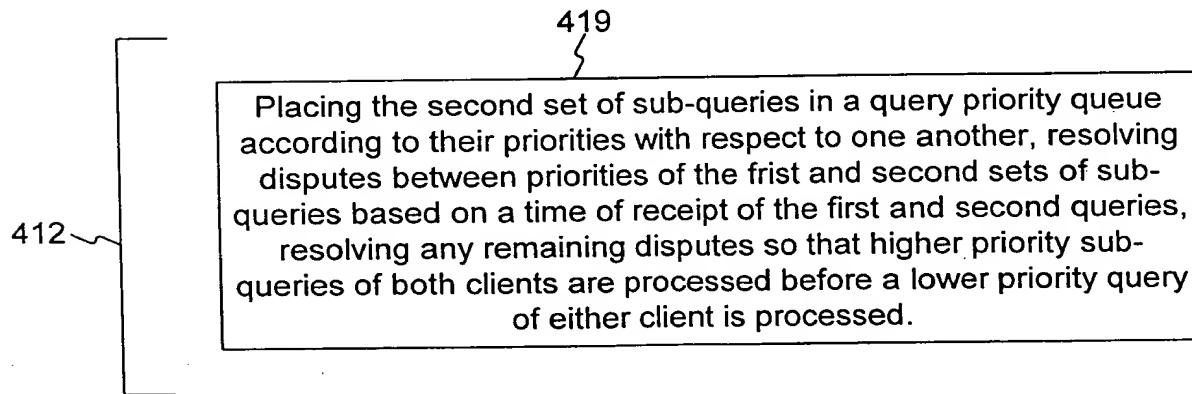


FIG. 4D

Client 1
Query (Q1)

Priority

Sub-Query 1	1
Sub-Query 2	2
Sub-Query 3	3
⋮	⋮
Sub-Query i	k

FIG. 5

Client 2
Query (Q2)

Sub-Query A	1
Sub-Query B	2
Sub-Query C	3
⋮	⋮
Sub-Query n	m

FIG. 6

Case 1: Q1 has higher priority than Q2

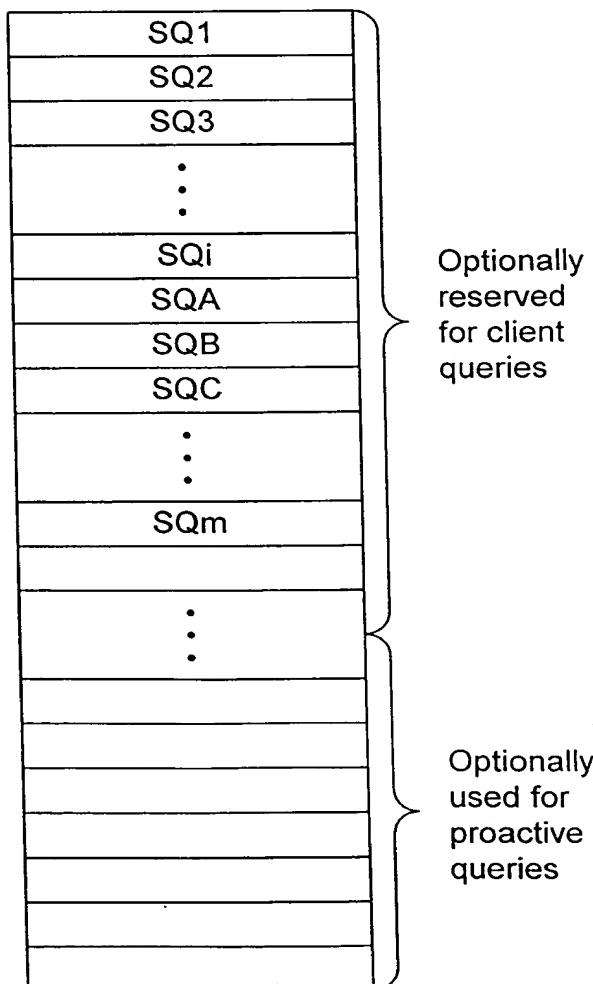


FIG. 7

Case 2: Q1 and Q2 have equal priorities

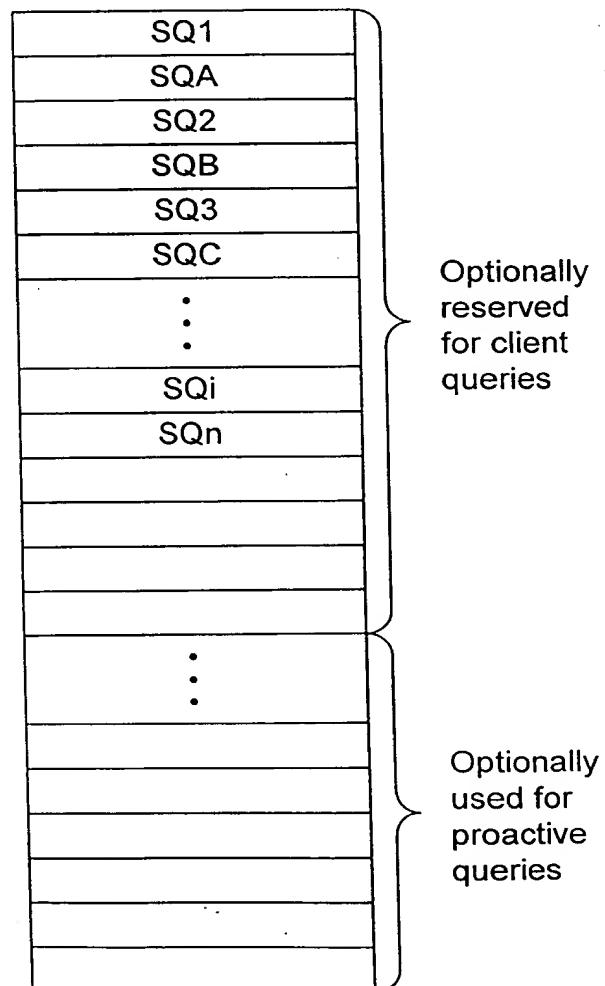


FIG. 8

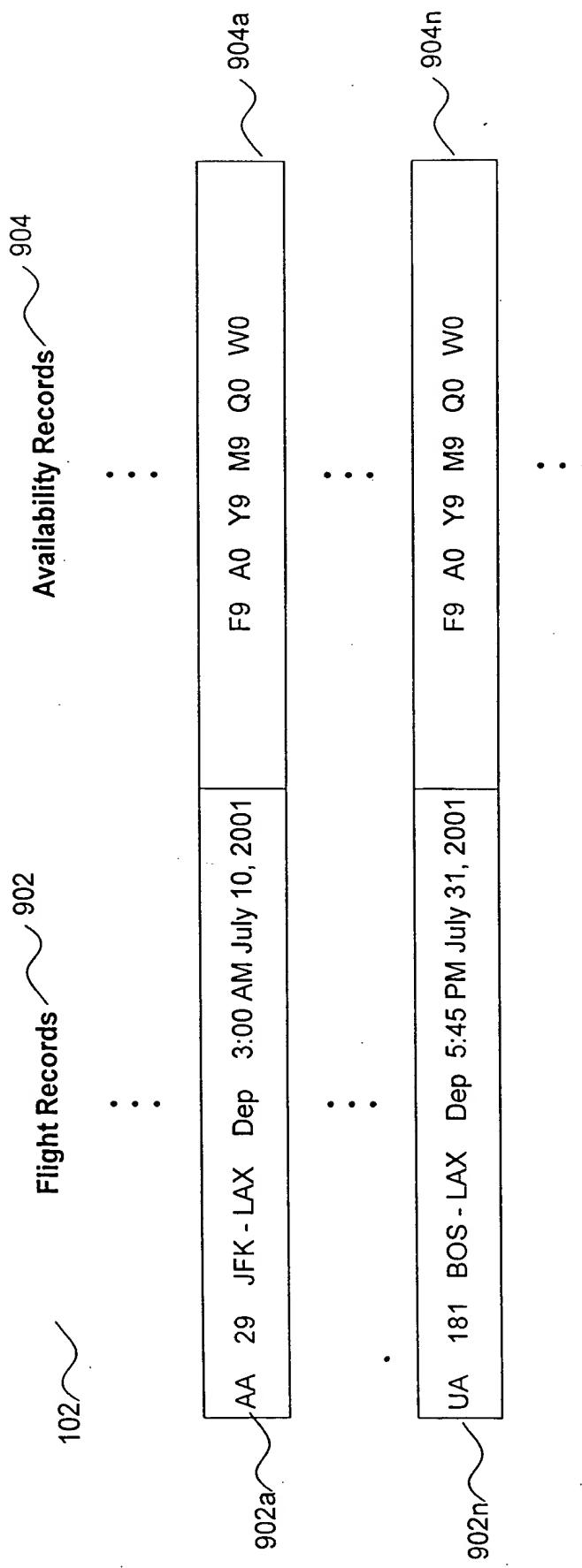
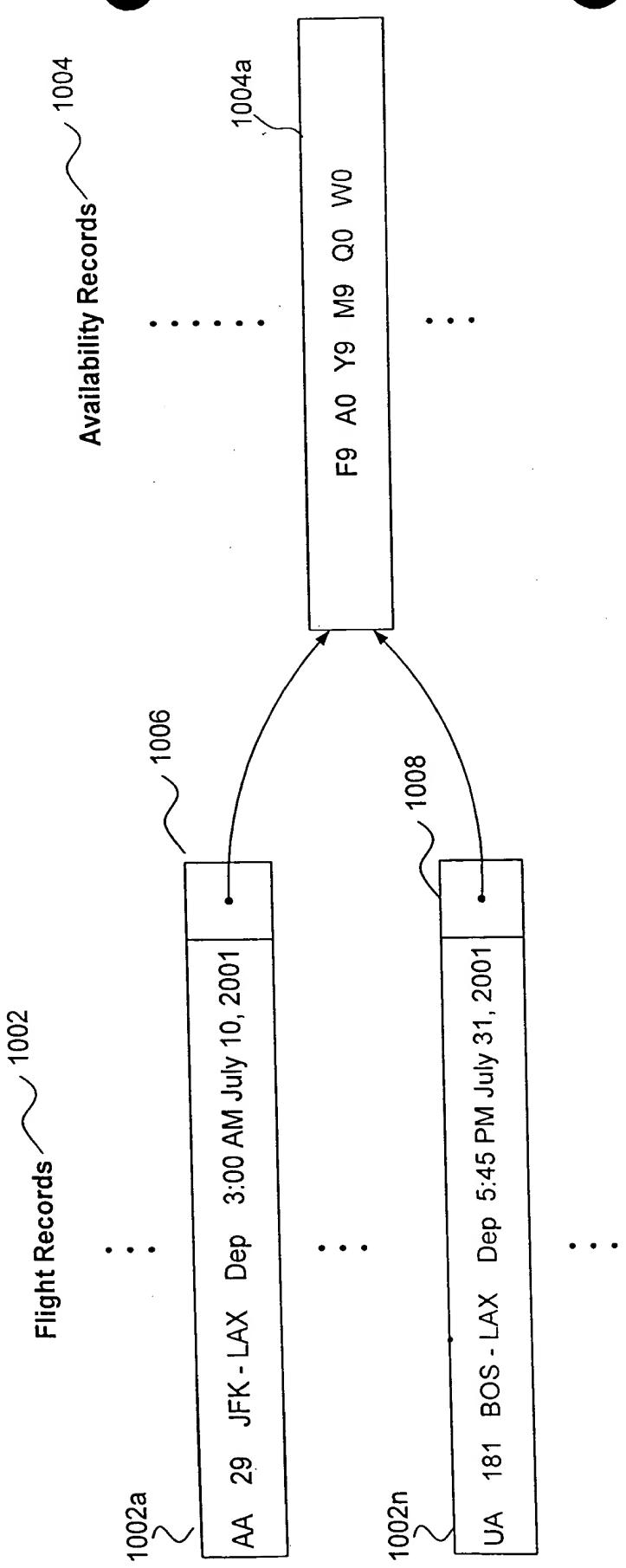
FIG. 9

FIG. 10



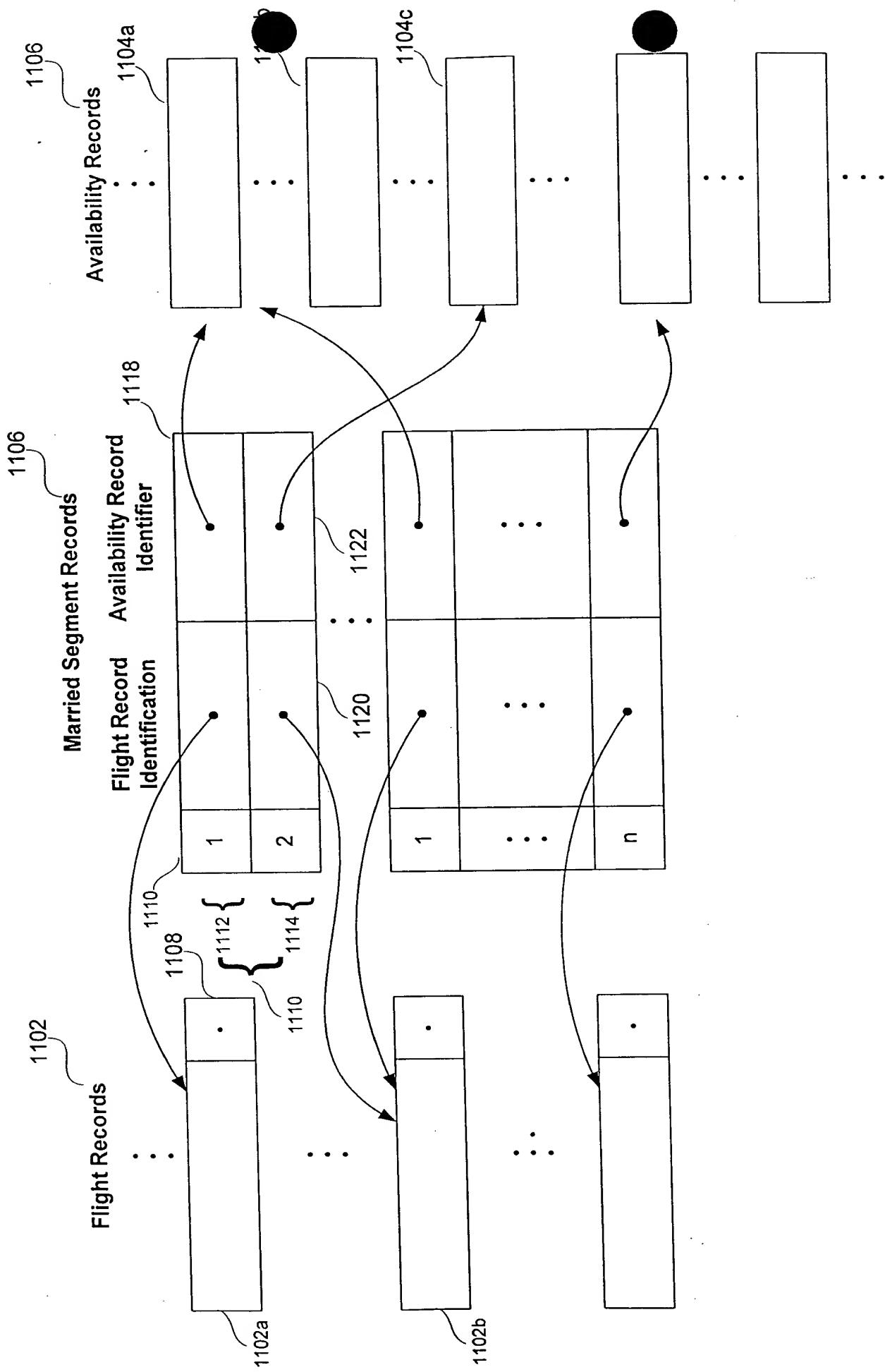


FIG. 11

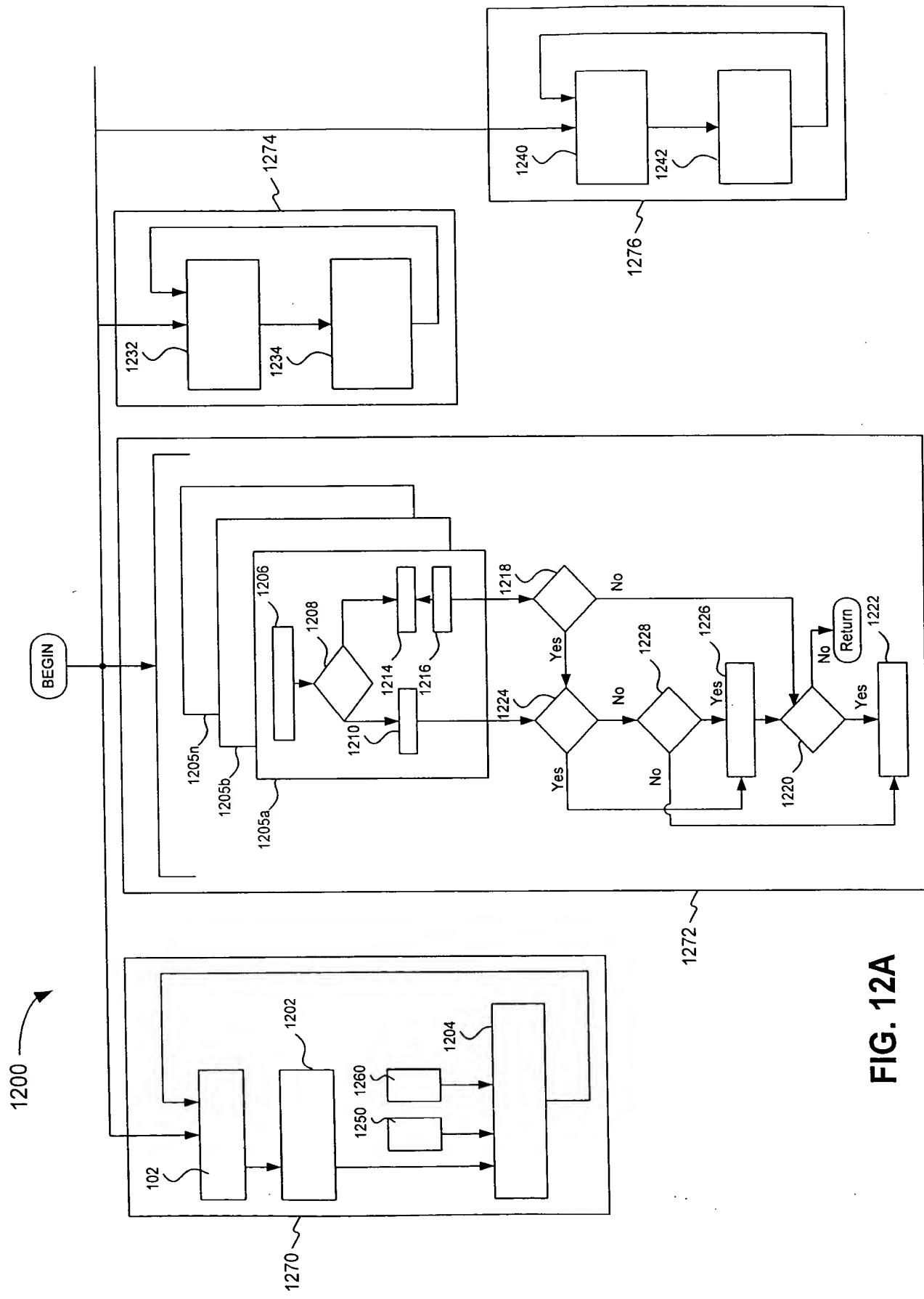


FIG. 12A

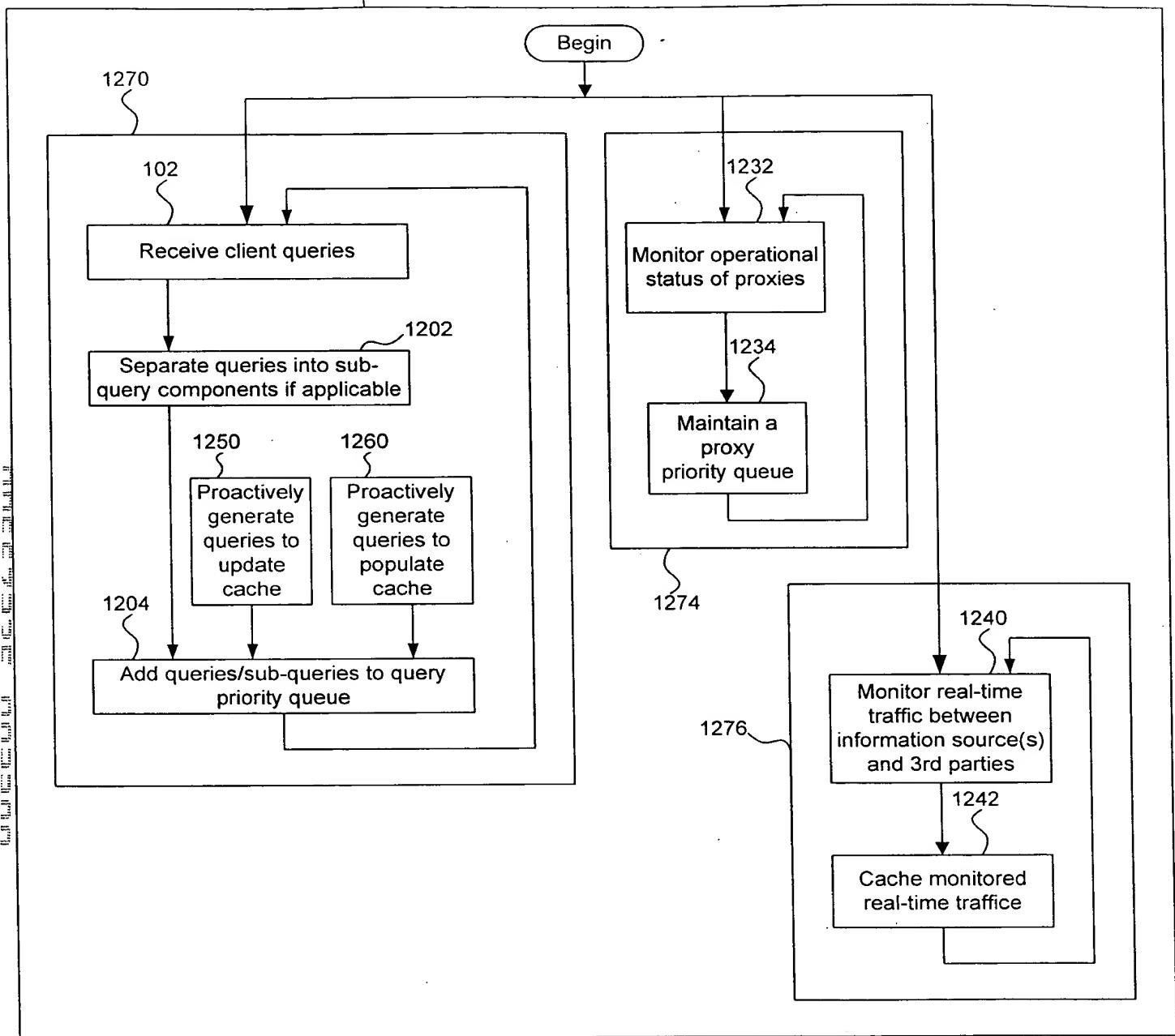


FIG. 12B

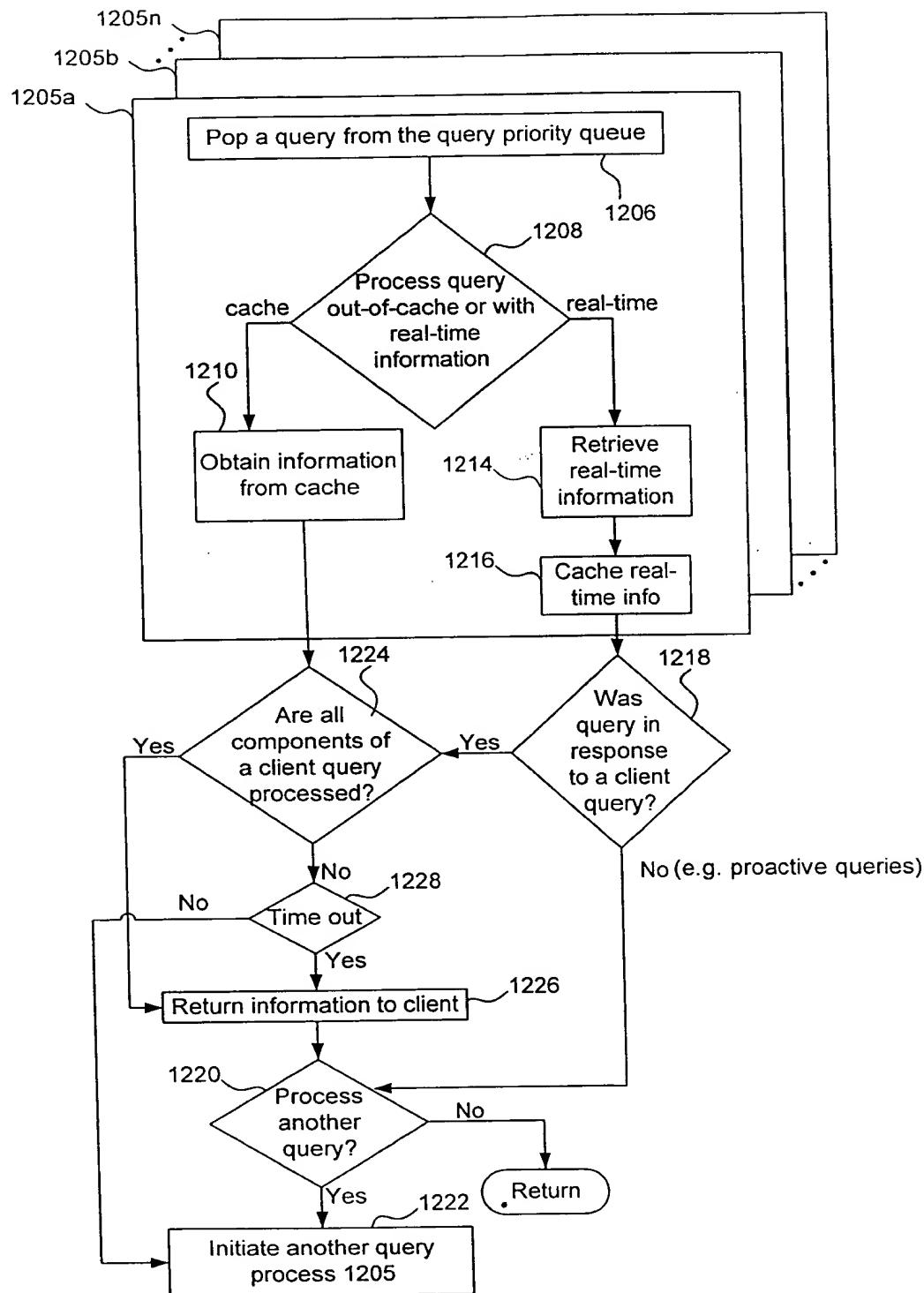


FIG. 12C

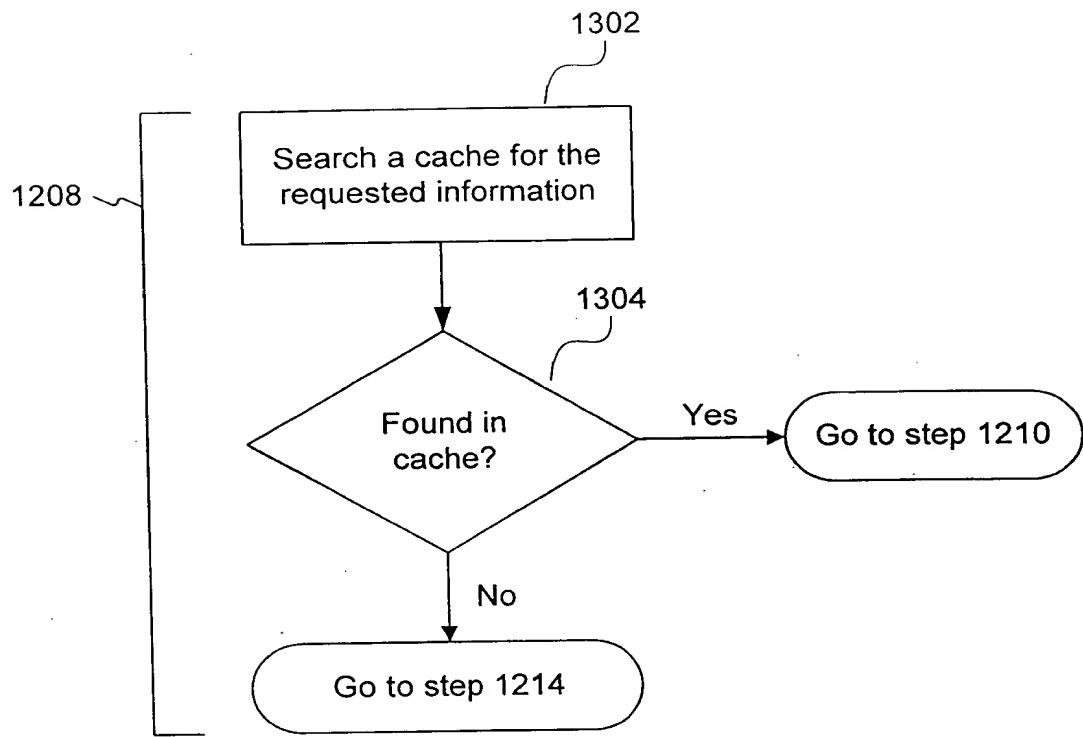


FIG. 13A

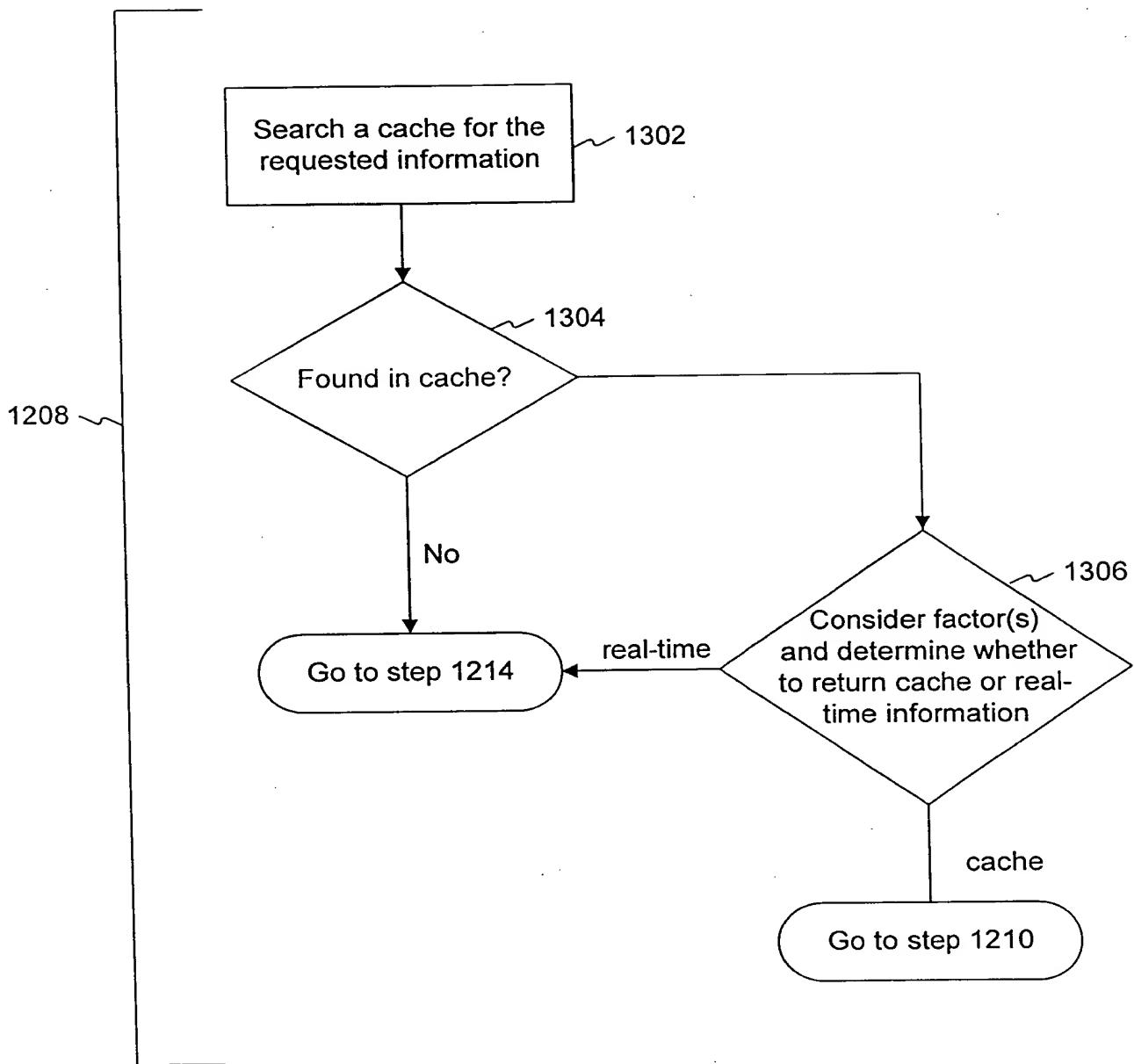


FIG. 13B

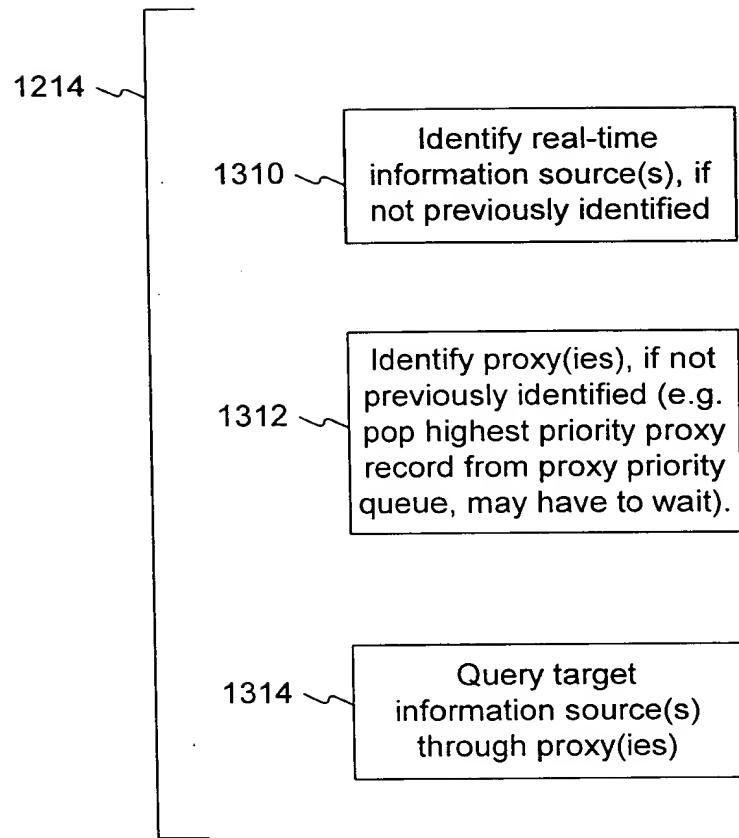
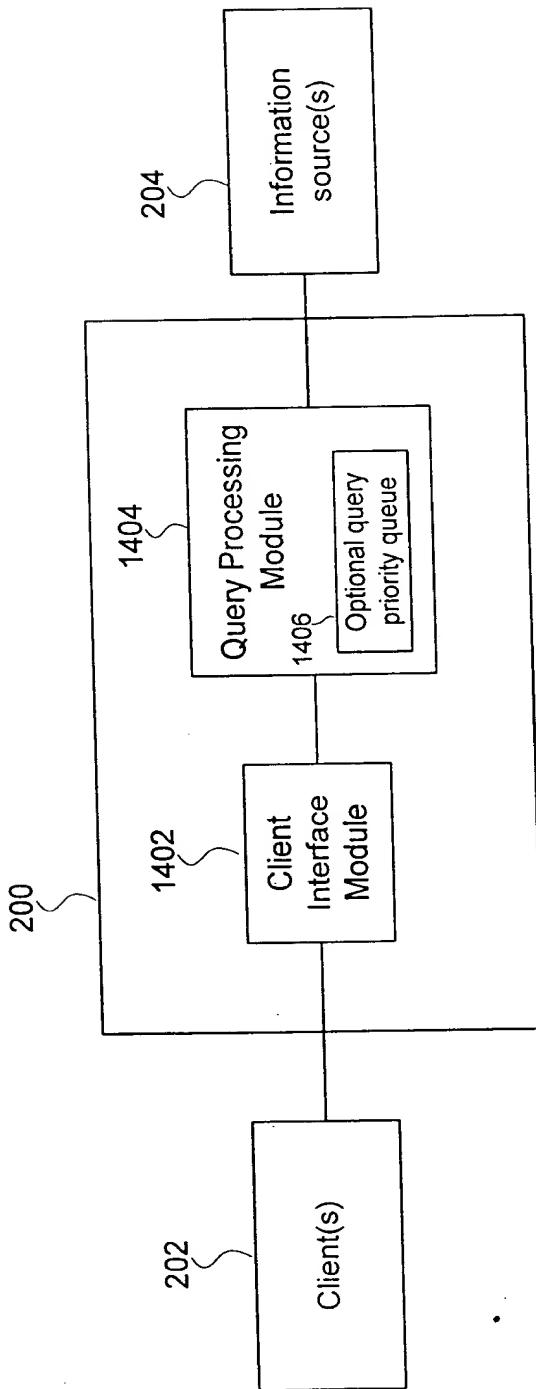


FIG. 13C

FIG. 14



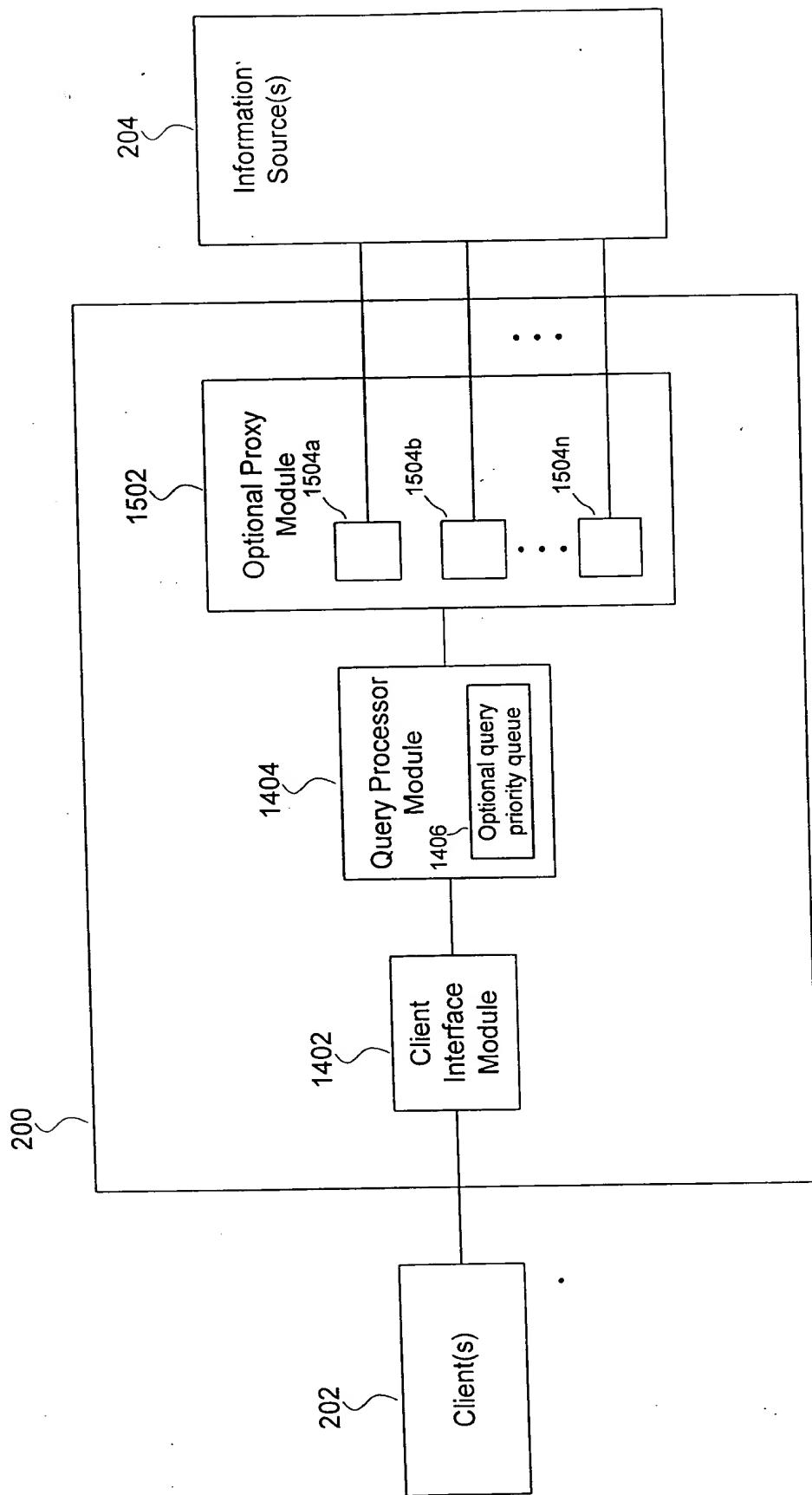


FIG. 15

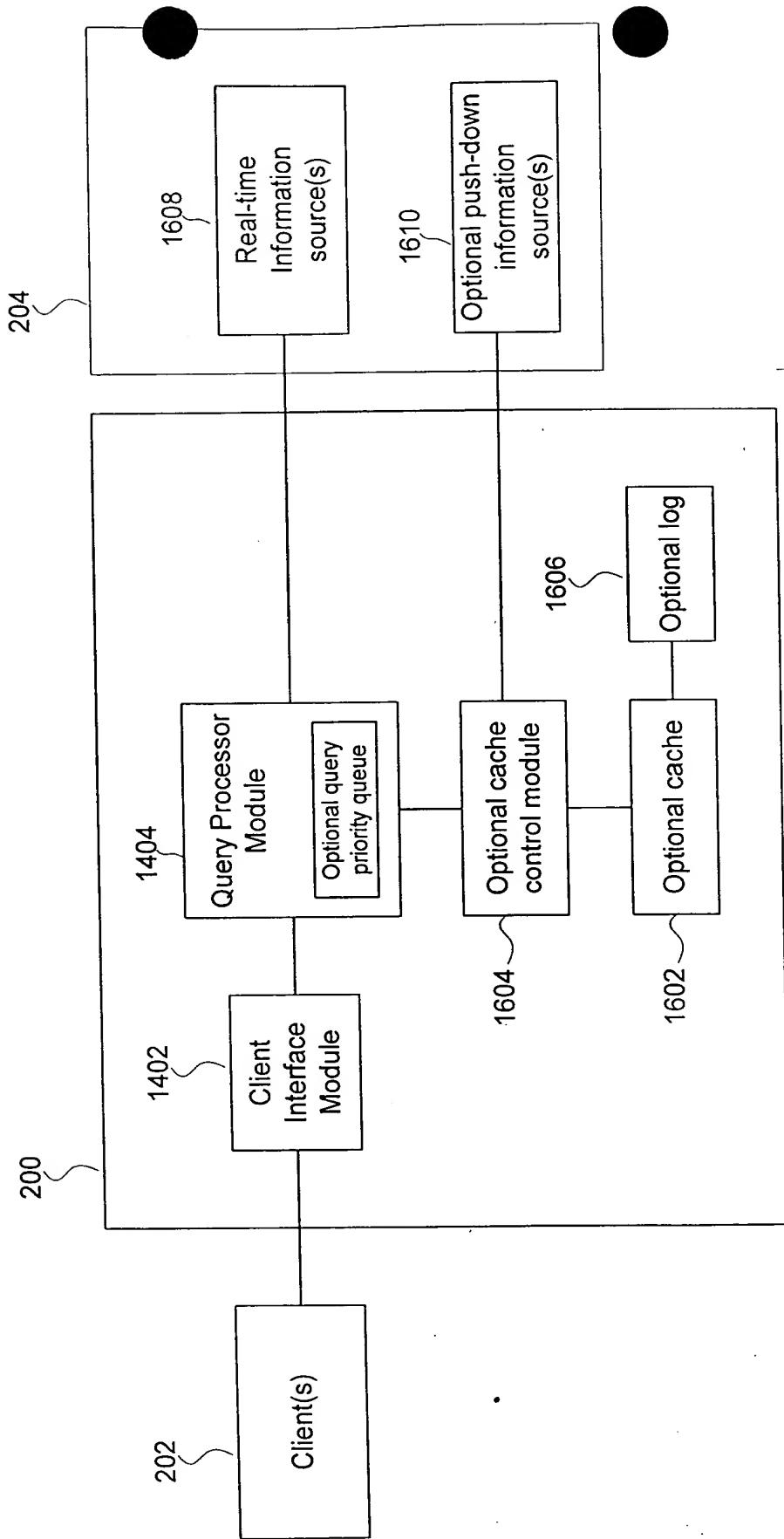


FIG. 16

FIG. 17

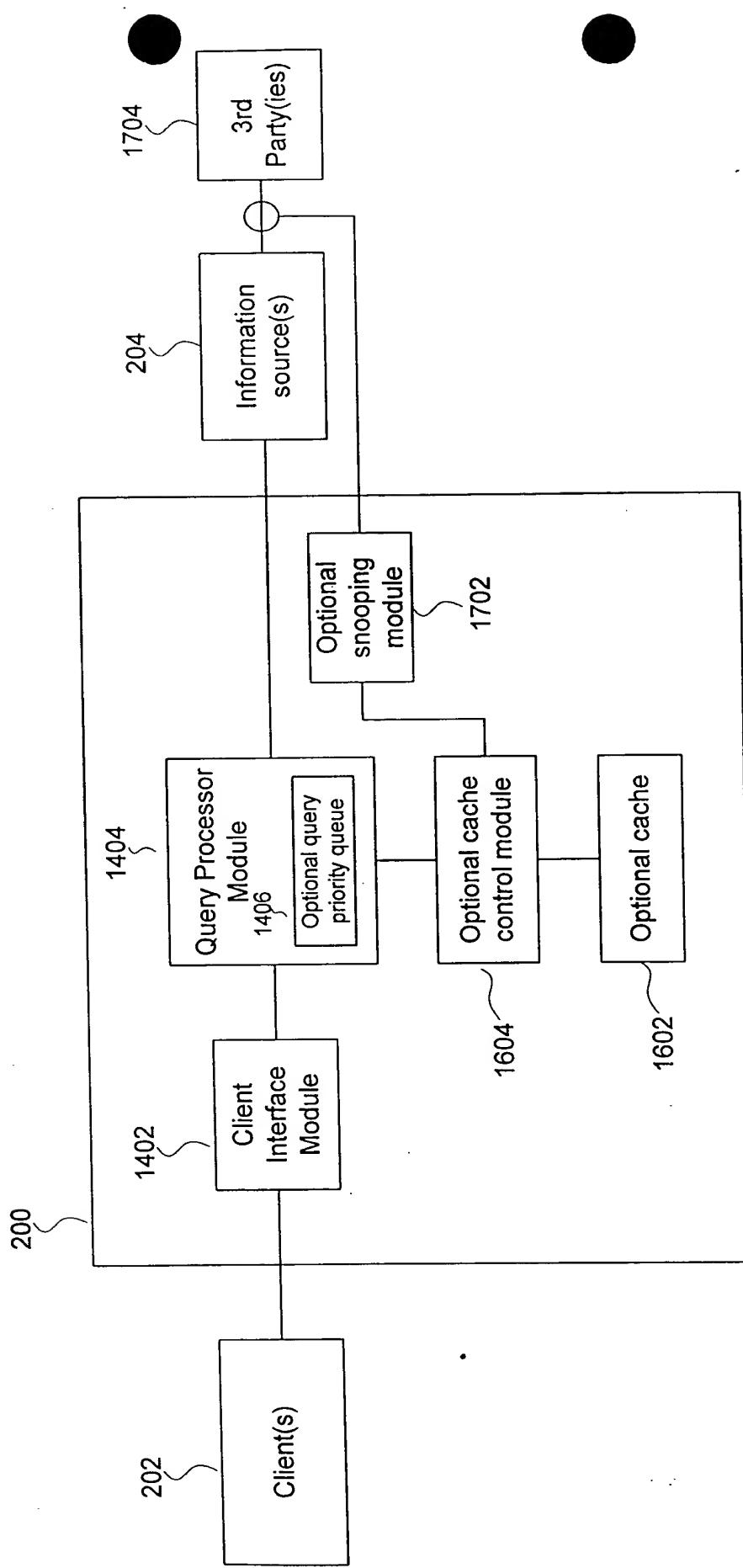
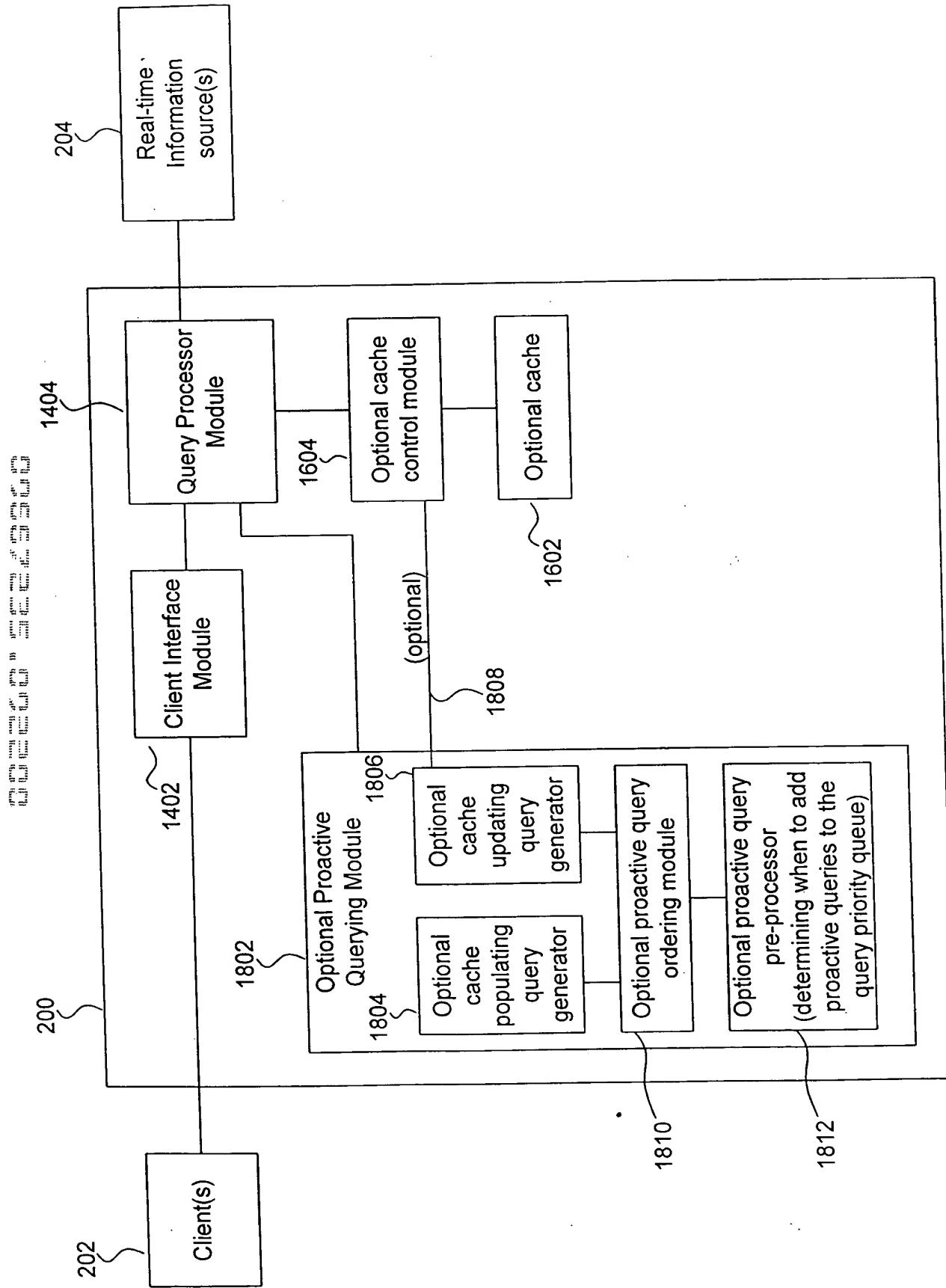


FIG. 18



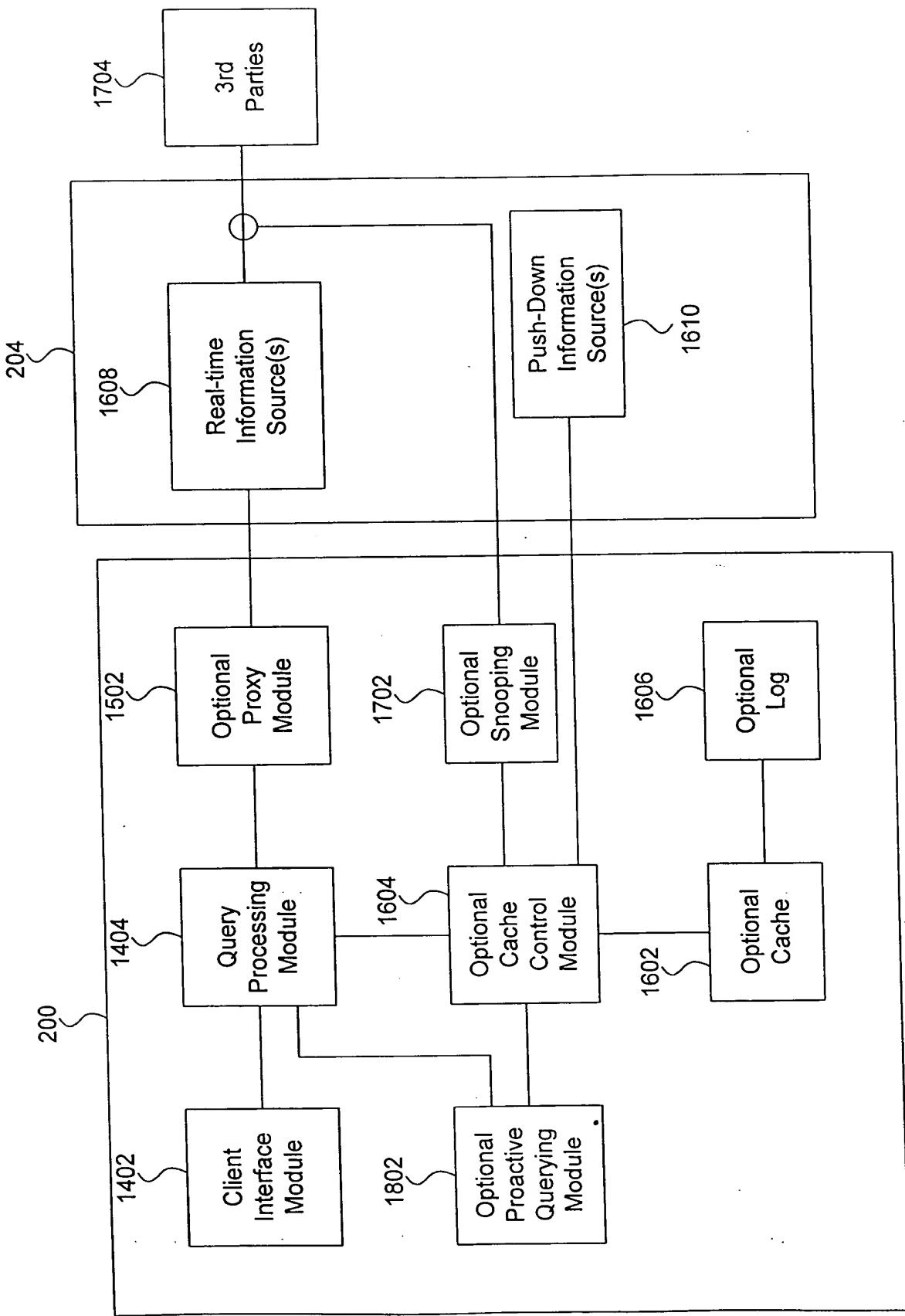


FIG. 19

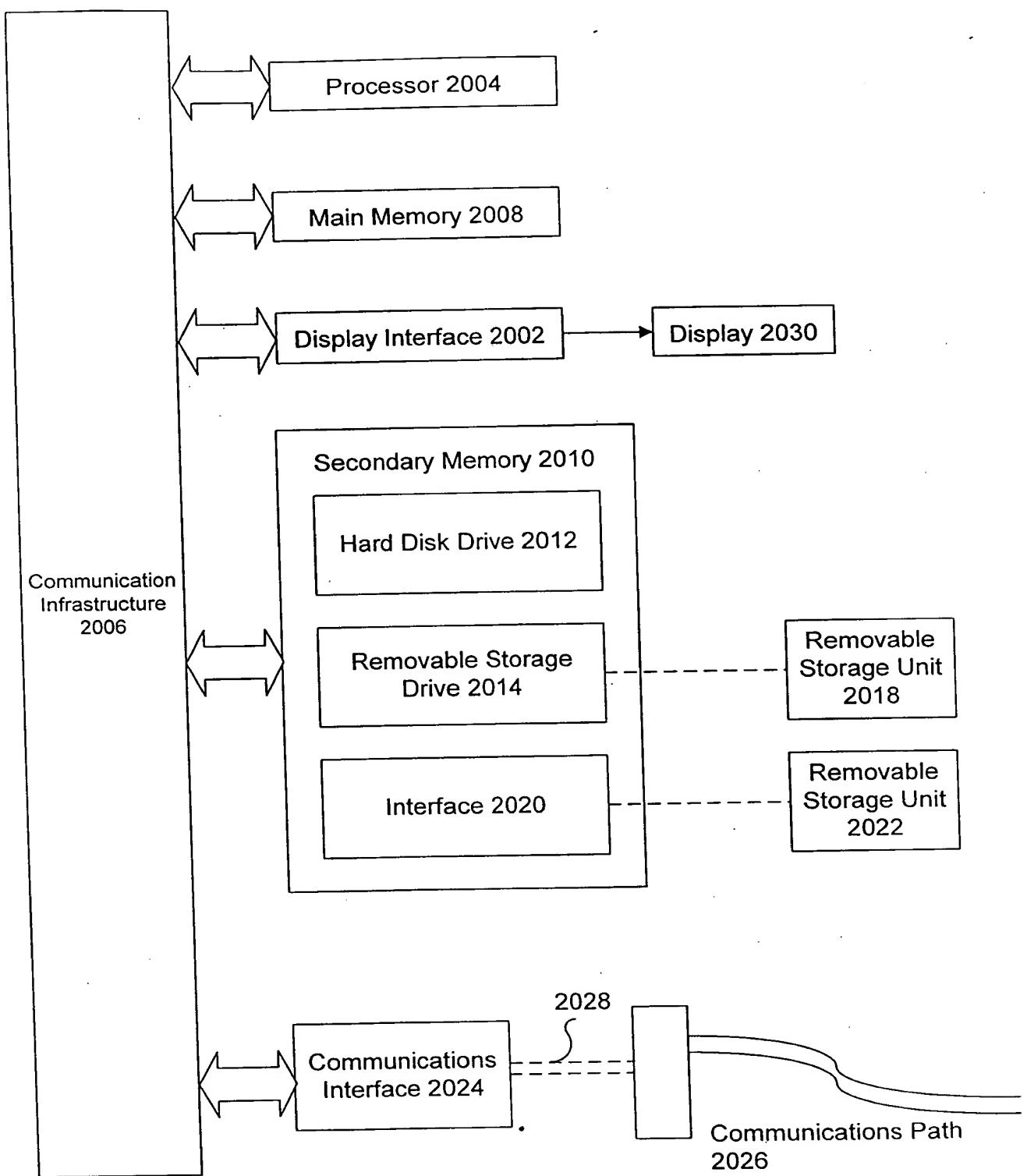


FIG. 20